



encapsulation data structure

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### Encapsulation and Inheritance in Object-Oriented Programming Languages - group of 8 »

A Snyder - OOPSLA, 1986 - portal.acm.org

... implementation details such as the **data structure** used to ... object-oriented languages support **data abstraction** by ... **Encapsulation** has many advantages in terms of ...

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### Automatic Data Structure Selection and Transformation for Sparse Matrix Computations - group of 4 »

AJC Bik, HAG Wijshoff - IEEE Transactions on Parallel and Distributed Systems, 1996 - ieeexplore.ieee.org

... 2, FEBRUARY 1996 109 1045-9219196\$05.00 01996 IEEE Automatic **Data Structure** Selection and Transformation for Sparse Matrix Computations Aart JC Bik and Harry ...

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### Structure and Encapsulation in Distributed Systems: The Proxy Principle - group of 2 »

M Shapiro - ICDCS, 1986 - inria.fr

... a process; within it, structuring and **encapsulation** may be ... to allowing parallel processing, gives **structure** to a ... and ambiguous; the semantics of the **data** in a ...

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### Object-Oriented Design: A Responsibility-Driven Approach - group of 2 »

R Wirfs-Brock, B Wilkerson - OOPSLA, 1989 - portal.acm.org

... Even though the goal of **data**-driven design is to encapsulate **data** and algorithms, it inherently violates that **encapsulation** by making the **structure** of an ...

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### Abstract data types and the development of **data** structures - group of 2 »

J Guttag - Communications of the ACM, 1977 - portal.acm.org

... Abstract **data** types and the development of **data** structures. ... 8 John Vogel Guttag, The specification and application to programming of abstract **data** types., 1975. ...

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### Reusability Through Self-**Encapsulation**. - group of 2 »

K Auer - Pattern Languages of Program Design, 1994 - rolemodelsoftware.com

... I call this technique self-**encapsulation**. ... Even less important in an object-oriented system is the **data structure** of an object (that is, the number of slots ...

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### Tool support for planning the restructuring of **data** abstractions in large systems - group of 6 »

WG Griswold, MI Chen, RW Bowdidge, JL Cabaniss, VB ... - IEEE Transactions on Software Engineering, 1998 - portal.acm.org

... It is notable, however, that comprehensive plans for the **encapsulation** of a widely used **data structure** in a 28,000 line program could be developed in this time ...

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### The GenVoca Model of Software-System Generators - group of 5 »

D Batory, V Singhal, J Thomas, S Dasari, B Geraci, ... - IEEE Software, 1994 - doi.ieeecs.org

... What distinguishes P++ is that it extends familiar concepts like abstraction, **encapsulation**, and parameterization of a popular ... **Data-structure** domain. ...

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### Comparison of Abstract Data Type and Abstract State **Encapsulation** Detection Techniques for ... - group of 4 »

JF Girard, R Koschke, G Schied - WCRE, 1997 - ieeexplore.ieee.org

... An abstract state **encapsulation** (ASE) is a group of ... An abstract **data type** (ADT) is an abstraction of a **data structure** and all the type's valid operations on ...

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### Programming Language Concepts - group of 3 »

C Ghezzi, M Jazayeri - Language - infosys.tuwien.ac.at

... type systems 146 3.5 The type **structure** of representative ... 5.3.5 ML 270 5.3.5.1

**Encapsulation** 270 5.3 ... and implementation 272 5.3.6 Abstract **data** types, classes ...

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O Berkman, U Vishkin - Foundations of Computer Science, 1989., 30th Annual ... - ieeexplore.ieee.org

... recursive \*-trees. The recursive \*-tree data structure leads to a new design

paradigm for parallel algorithms. The paradigm allows ...

Cited by 73 - Web Search - Library Search - BL Direct**[BOOK] Fundamentals of Data Structure in C**

E Horowitz, S Sahni, S Anderson-Freed - 1993 - pu.edu.tw

... Page 8. Page 8 \*Structure 1.1:Abstract data type Natural\_Number (p.17) Page 9. ... recursive

stack space, formal parameters, local variables, return address ...

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LJ Hendren, A Nicolau - 1990 - doi.ieeecomputersociety.org

... store. Each call to a recursive function that creates a linked data structure is approximated by one entry in the abstract store. As ...

Cited by 119 - Web Search - Library Search**Alias Types for Recursive Data Structures - group of 16 »**

D Walker, G Morrisett - Types in Compilation, 2000 - Springer

... Parameterized Recursive Types. One common data structure we are unable to encode with the types described so far is the doubly-linked list. ...

Cited by 111 - Web Search - BL Direct**Recursive data structures**

CAR Hoare - International Journal of Parallel Programming, 1975 - Springer

... It is true that a recursive data structure which is held in a conventionally addressed main store will usually be represented by means of machine addresses ...

Cited by 73 - Web Search - Library Search**A Flexible Approach to Interprocedural Data Flow Analysis and Programs with Recursive Data ... - group of 3 »**

ND Jones, SS Muchnick - POPL, 1982 - portal.acm.org

... particular program) as a program with a recursive data structure, namely the stack of procedure activation records. The great ...

Cited by 116 - Web Search**Quad trees a data structure for retrieval on composite keys**

RA Finkel, JL Bentley - Acta Informatica, 1974 - Springer

... in the data structure, and what is the address of the node representing it?" The ...

The algorithm itself is recursive and is initially invoked by the statement ...

Cited by 279 - Web Search**Compiler-Based Prefetching for Recursive Data Structures - group of 12 »**

CK Luk, TC Mowry - ACM SIGOPS Operating Systems Review, 1996 - portal.acm.org

... Recursive Data Structures (RDSs) include familiar objects such as linked lists, trees ... nodes are linked together through pointers to form the overall structure. ...

Cited by 210 - Web Search - BL Direct**[BOOK] Data Structure Techniques**

TA Standish - 1980 - Addison-Wesley Longman Publishing Co., Inc., Boston, MA

Cited by 93 - Web Search - Library Search**[PS] Recursive Blocked Data Formats and BLAS's for Dense Linear Algebra Algorithms - group of 6 »**

FG Gustavson, A Henriksson, I Jonsson, B ... - PARA, 1998 - cs.umu.se

... show here even better performance can be obtained when recursive dense linear algebra algorithms are expressed using a recursive data structure and recursive ...

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